	STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES  DIVISION OF OIL, GAS AND MINING									AMEN	FO DED REPC	RM 3	
	APPLICATION FOR PERMIT TO DRILL								1. WELL NAME and NUMBER GMBU 7-30-8-18				
2. TYPE (	2. TYPE OF WORK  DRILL NEW WELL ( REENTER P&A WELL ) DEEPEN WELL )								3. FIELD OR WILD	CAT EIGHT MI	ILE FLAT		
4. TYPE (									5. UNIT or COMMU			EEMENT	NAME
6. NAME	OF OPERATOR	₹			TON COMPANY				GMBU (GRRV)  7. OPERATOR PHONE				
8. ADDRI	ESS OF OPERA								435 646-4825  9. OPERATOR E-MAIL mcrozier@newfield.com				
	RAL LEASE N		Kt 3 B0X 30.		on, UT, 84052	RSHIP		_	12. SURFACE OWN		lewneid.co		
		UTU-36846	2 - 1611		FEDERAL (III) IND	IAN STA	TE ( ) FEE	0		DIAN			FEE 🔵
		OWNER (if box 1							14. SURFACE OWN				
15. ADDI	RESS OF SURF	ACE OWNER (if b	ox 12 = 'fee						16. SURFACE OWN	ER E-MA	IL (II box	12 = 16	ee')
	AN ALLOTTEE 2 = 'INDIAN')	OR TRIBE NAME			18. INTEND TO COM MULTIPLE FORMATI YES (Submit C			м <u>•</u>	VERTICAL DI	RECTIONA	AL 💮	HORIZON	ITAL 🔵
20. LOC	ATION OF WE	LL	1	FOO <sup>-</sup>	TAGES	QTR-QTR	SEC	TION	TOWNSHIP	R/	ANGE	МЕ	RIDIAN
LOCATIO	ON AT SURFA	CE	1!	69 FNL	. 2101 FEL	SWNE	3	0	8.0 S	18	3.0 E		S
Top of U	Ippermost Pro	ducing Zone	1!	69 FNL	. 2101 FEL	SWNE	3	0	8.0 S	18	3.0 E		S
At Total	Depth		1!	69 FNL	. 2101 FEL	SWNE	SWNE 30		8.0 S		3.0 E		S
21. COUN	NTY	UINTAH		2	22. DISTANCE TO N	EAREST LEASE 539	LINE (Feet)	23. NUMBER OF ACRES IN DRILLING UNIT					
					25. DISTANCE TO N Applied For Drilling			DL	26. PROPOSED DEI		TVD: 651	10	
27. ELEV	ATION - GROU	JND LEVEL		2	28. BOND NUMBER	1030			29. SOURCE OF DR WATER RIGHTS AP			TE ADD	TCARLE
		4970				WYB000493			WATER RIGHTS AF	437		IF APP	LICABLE
					Hole, Casing,			n					
String	Hole Size	Casing Size	Length	Weig	1		Mud Wt.		Class C		Sacks	Yield	Weight
SURF	12.25 7.875	8.625 5.5	0 - 300 0 - 6510	24. 15.			8.3	Prem	Class G nium Lite High Stre	enath	138 312	3.26	15.8 11.0
FROD	7.075	3.3	0 0310	13.	.5 33210		0.5	11611	50/50 Poz	ingui	363	1.24	14.3
					AT	TTACHMENTS	5						
	VERIFY T	HE FOLLOWIN	G ARE ATT	ACHE	D IN ACCORDAN	CE WITH THE	E UTAH OIL	. AND G	GAS CONSERVATI	ION GEI	NERAL F	ULES	
<b>⊮</b> w	ELL PLAT OR	MAP PR <mark>EPA</mark> RED B	Y LI <mark>CEN</mark> SE	SURVI	EYOR OR ENGINEER	R O	COMPLETE DI	RILLING	PLAN				
AF	FIDAVIT OF S	TATUS OF SURFA	CE OWNER	AGREEN	MENT (IF FEE SURF	ACE) F	ORM 5. IF OF	PERATO	R IS OTHER THAN T	HE LEAS	E OWNER	2	
DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY TOPOGRAPHICAL N						CAL MAI	•						
NAME Mandie Crozier TITLE Regulatory Tech					Гесh		PHOI	<b>NE</b> 435 646-4825					
SIGNATURE         DATE 08/24/2011							EMA]	L mcrozier@newfield	.com				
	мвек assign 04751906(				APPROVAL			B	Myse				
	Permit Manager												

## NEWFIELD PRODUCTION COMPANY GMBU 7-30-8-18 SW/NE SECTION 30, T8S, R18E UINTAH COUNTY, UTAH

#### TEN POINT DRILLING PROGRAM

#### 1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

## 2. <u>ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:</u>

 Uinta
 0' – 1685'

 Green River
 1685'

 Wasatch
 6360'

 Proposed TD
 6510'

## 3. <u>ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:</u>

Green River Formation (Oil) 1685' – 6360'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval Date Sampled Flow Rate Temperature

Hardness pH

Water Classification (State of Utah)Dissolved Calcium (Ca) (mg/l)Dissolved Iron (Fe) (ug/l)Dissolved Sodium (Na) (mg/l)Dissolved Magnesium (Mg) (mg/l)Dissolved Carbonate (CO3) (mg/l)Dissolved Bicarbonate (NaHCO3) (mg/l)Dissolved Chloride (Cl) (mg/l)

 $Dissolved\ Sulfate\ (SO_4)\ (mg/l) \\ Dissolved\ Total\ Solids\ (TDS)\ (mg/l)$ 

#### 4. PROPOSED CASING PROGRAM

a. Casing Design: GMBU 7-30-8-18

Size	Interval		Maiabt	Grade	Counling	Design Factors			
Size	Тор	Bottom	Weight	Grade	Coupling	Burst	Collapse	Tension	
Surface casing	0'	300'	24.0	J-55	STC	2,950	1,370	244,000	
8-5/8"	U				310	17.53	14.35	33.89	
Prod casing	O.	6,510'	15.5	J-55	LTC	4,810	4,040	217,000	
5-1/2"	0'				LTC	2.32	1.95	2.15	

## Assumptions:

- 1) Surface casing max anticipated surface press (MASP) = Frac gradient gas gradient
- 2) Prod casing MASP (production mode) = Pore pressure gas gradient
- 3) All collapse calculations assume fully evacuated casing w/ gas gradient
- 4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at prod casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: GMBU 7-30-8-18

Job	Fill	Description	Sacks ft <sup>3</sup>	OH Excess*	Weight (ppg)	Yield (ft³/sk)
Surface casing	300'	Class G w/ 2% CaCl	138 161	30%	15.8	1.17
Prod casing Lead	4,510'	Prem Lite II w/ 10% gel + 3% KCI	312 1016	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

- \*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

#### 5. <u>MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL</u>:

The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit** C for a diagram of BOP equipment that will be used on this well.

#### 6. TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:

From surface to ±300 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±300 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

#### 7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

#### 8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 300' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

## 9. <u>ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE</u>:

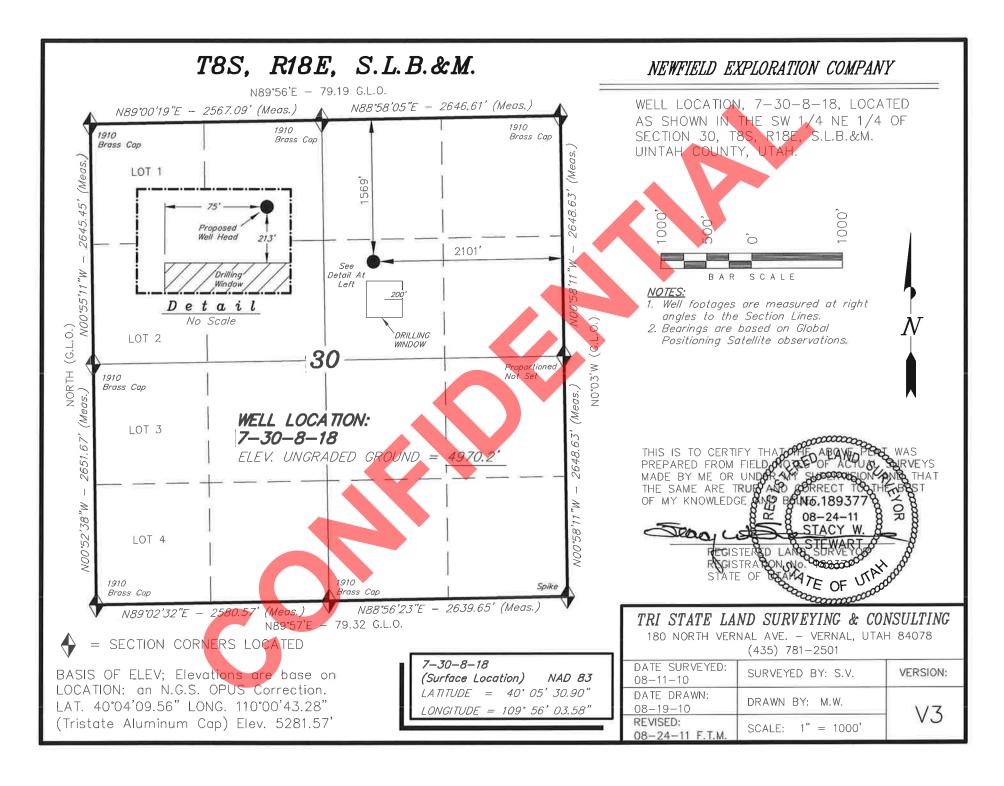
No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated

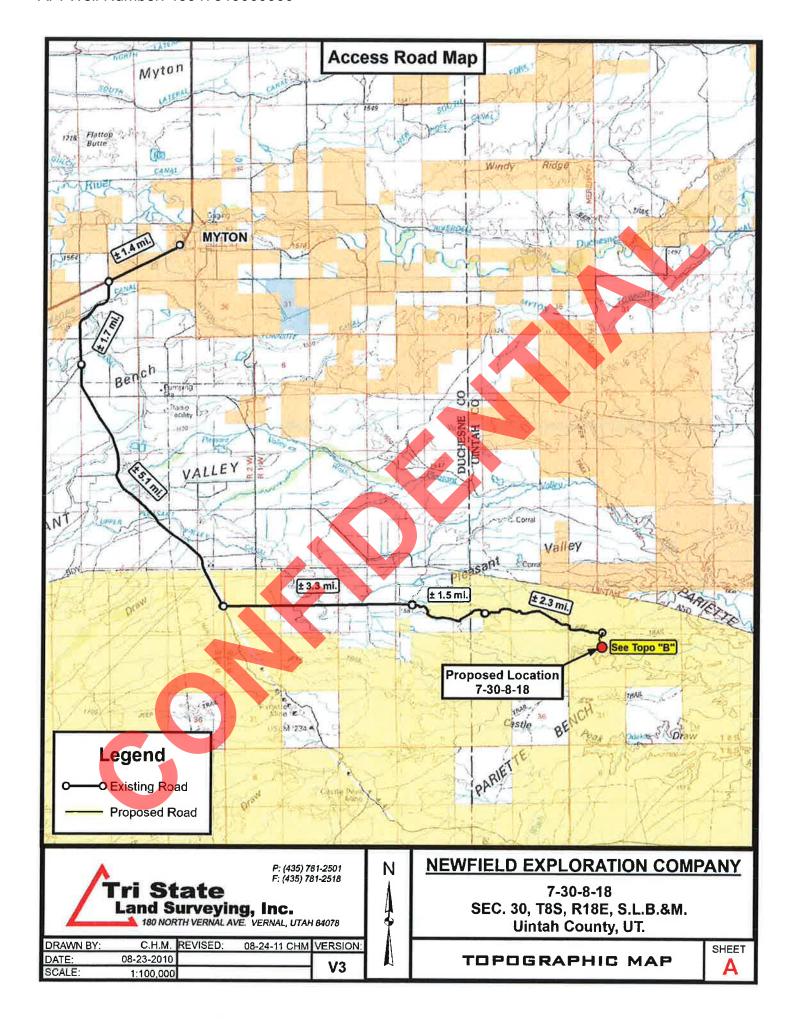
bottomhole pressure will approximately equal total depth in feet multiplied by a  $0.433~\mathrm{psi/foot}$  gradient.

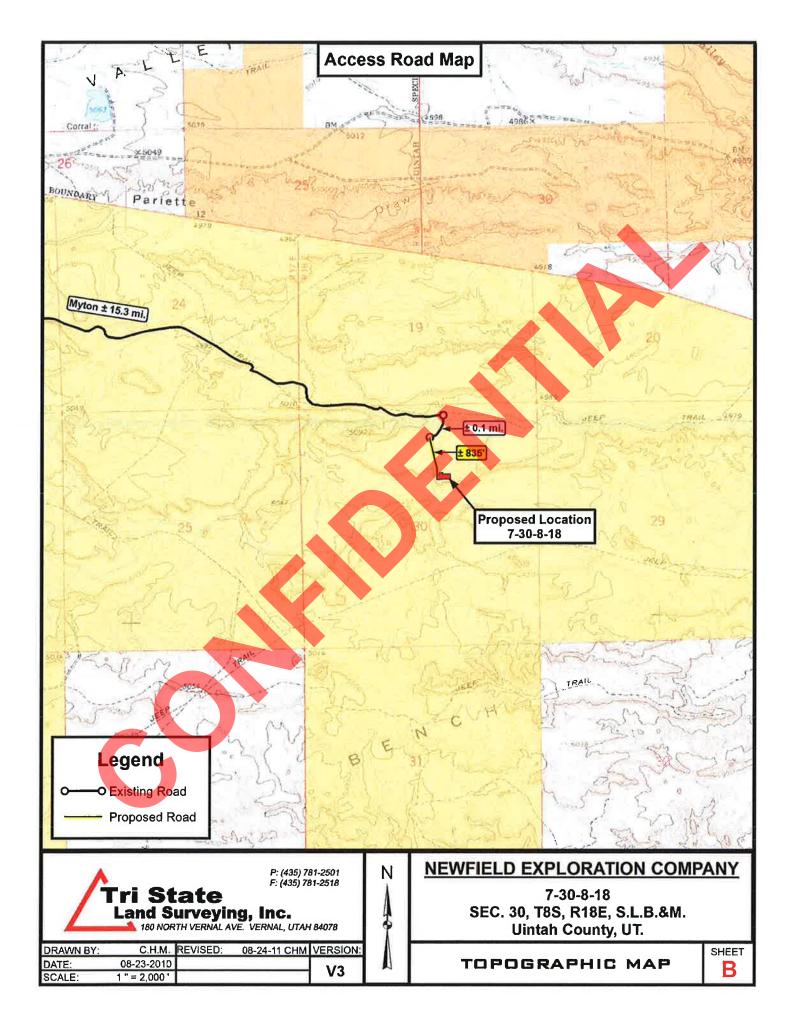
## 10. ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:

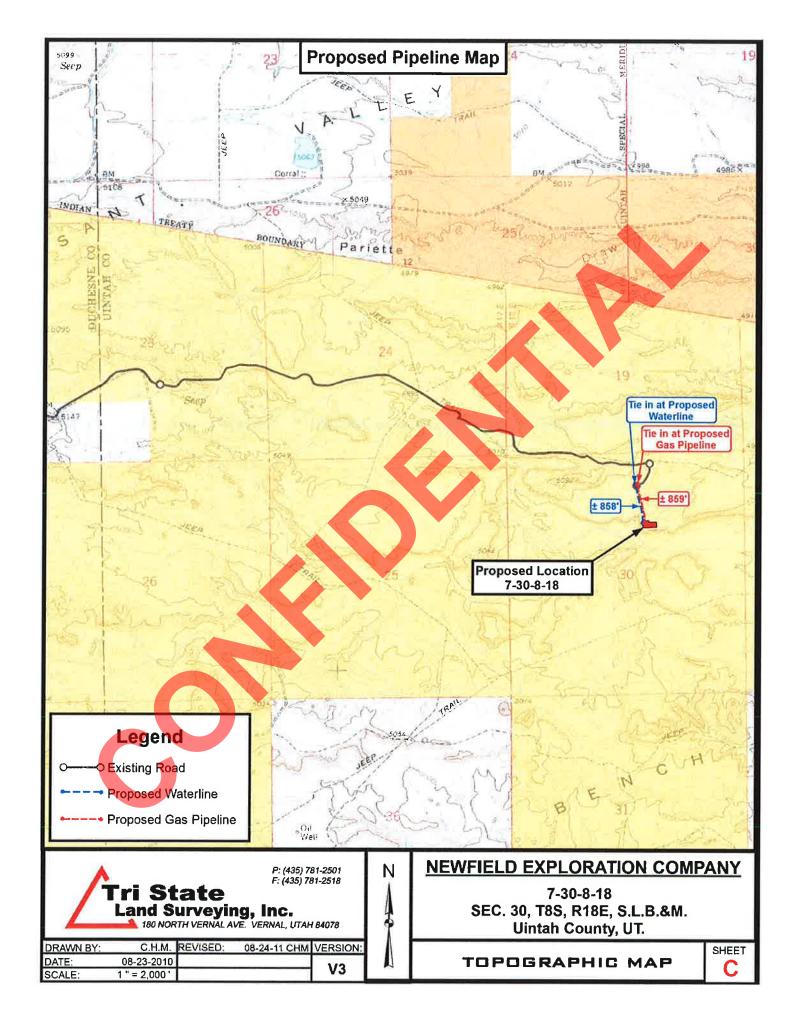
It is anticipated that the drilling operations will commence the first quarter of 2012, and take approximately seven (7) days from spud to rig release.

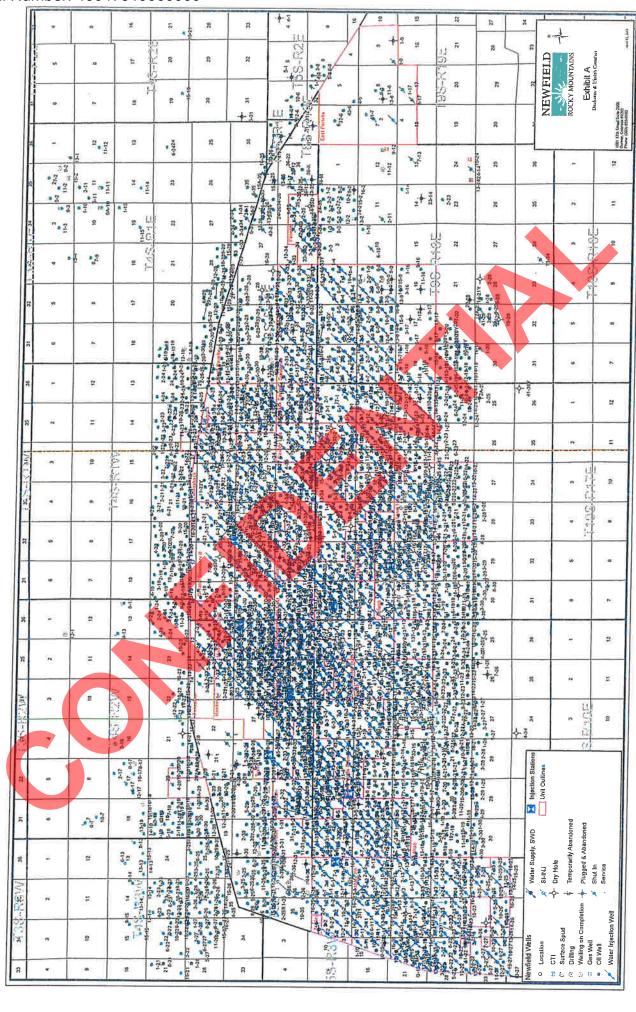


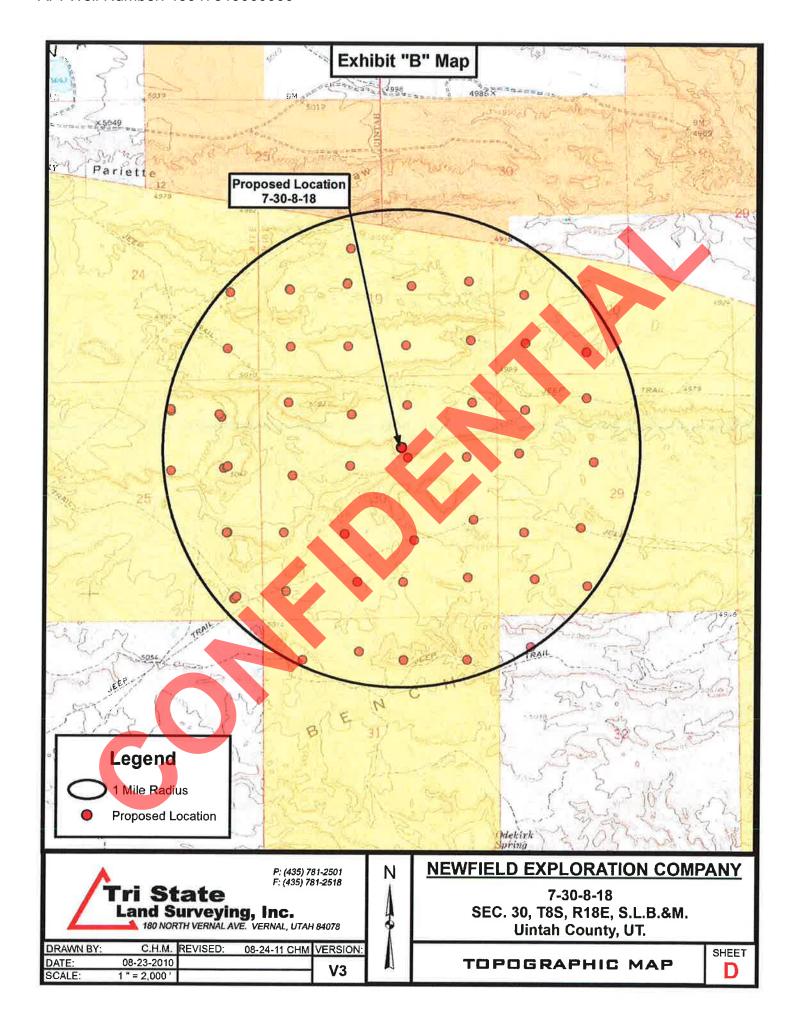












## NEWFIELD PRODUCTION COMPANY GMBU 7-30-8-18 SW/NE SECTION 30, T8S, R18E UINTAH COUNTY, UTAH

#### ONSHORE ORDER NO. 1

## **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

#### 1. EXISTING ROADS

See attached Topographic Map "A"

To reach Newfield Production Company well location site GMBU 7-30-8-18located in the SW 1/4 NE 1/4 Section 30, T8S, R18E, Uintah County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles  $\pm$  to the junction of this highway and UT State Hwy 53; proceed southeasterly -6.8 miles  $\pm$  to it's junction with an existing road to the east; proceed in a easterly direction -7.1 miles  $\pm$  to it's junction an existing road to the south; proceed southerly -0.1 miles  $\pm$  to it's junction with the beginning of the proposed access road to the southeast; proceed in a southeasterly direction along the proposed access road  $-835^{\circ}$  + to the proposed well location.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal. Any necessary fill material for repair will be purchase and hauled from private sources.

#### 2. PLANNED ACCESS ROAD

Approximately 835' of access road is proposed. See attached Topographic Map "B".

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

#### 3. LOCATION OF EXISTING WELLS

Refer to Exhibit "B".

#### 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee.

All facilities will be painted within six months of installation.

#### 5. LOCATION AND TYPE OF WATER SUPPLY

Newfield Production will transport water by truck from nearest water source as determined by a Newfield representative for the purpose of drilling the above mentioned well. The available water sources are as follows:

Johnson Water District Water Right: 43-10136

Maurice Harvey Pond Water Right: 47-1358

Neil Moon Pond

Water Right: 43-11787

Newfield Collector Well

Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy

District).

There will be no water well drilled at this site.

## 6. SOURCE OF CONSTRUCTION MATERIALS

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

#### 7. METHODS FOR HANDLING WASTE DISPOSAL

#### Closed Loop Drilling

As directed by the authorized BLM officer, Newfield Production will be required to drill the proposed well with a Closed Loop Drilling System. A 400 bbl tank will be on location, filled with fresh water in case there is an emergency. The drill cuttings will be caught in a retrieving tank which will be stored on the edge of the location. The retrieving tank will be removed from the location and the drill cuttings will be spread on the location upon completion of drilling the well.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

#### 8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

#### 9. <u>WELL SITE LAYOUT</u>

See attached Location Layout Sheet.

#### **Fencing Requirements**

All pits will be fenced according to the following minimum standards:

- a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.
- b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.
- c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times
- d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.
- e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

Existing fences to be crossed by the access road will be braced and tied off before cutting so as to prevent slacking in the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM specifications.

#### 10. PLANS FOR RESTORATION OF SURFACE:

## a) Producing Location

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

#### b) Dry Hole Abandoned Location

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

#### 11. SURFACE OWNERSHIP – Bureau of Land Management.

#### 12. OTHER ADDITIONAL INFORMATION

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. State of Utah Antiquities Project Permit #U-11-MQ-0330bps 5/20/11, prepared by Montgomery Archaeological Consultants. Paleontological Resource Survey prepared by, Wade E. Miller, 9/27/04. See attached report cover pages, Exhibit "D".

Newfield Production Company requests 834' of planned access road be granted. **Refer to Topographic Map "B".** Newfield Production Company requests 859' of surface gas line be granted. Newfield Production Company requests 858' of buried water line be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 4" poly fuel gas line, a buried 10" steel water injection line, a buried 3" poly water return line, and a and a 14" surface flow line. The planned access road will consist of a 20' permanent running surface (10' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice 3160-5 form will be applied for through the Bureau of Land Management field office.

For a ROW plan of development, please refer to the Greater Monument Butte Green River Development SOP and as well as the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

#### Water Disposal

After first production, if the production water meets quality guidelines, it will be transported to the Ashley, Monument Butte, Jonah, South Wells Draw and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project. Water not meeting quality criteria, will be disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E), Federally approved surface disposal facilities or at a State of Utah approved surface disposal facilities.

#### **Additional Surface Stipulations**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

## **Details of the On-Site Inspection**

The proposed GMBU 7-30-8-18 was on-sited on 3/24/11. The following were present; Tim Eaton (Newfield Production), Joe Pippy (Newfield Production), Christine Cimiluca (Bureau of Land Management), Janna Simonsen (Bureau of Land Management), Karl Wright (Bureau of Land Management), and Suzanne Grayson (Bureau of Land Management). Weather conditions were clear and ground cover was 100% open.

#### Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the GMBU 7-30-8-18, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the GMBU 7-30-8-18, Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

## 13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton

Address: Newfield Production Company

Route 3, Box 3630 Myton, UT 84052

Telephone: (435) 646-3721

#### Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #7-30-8-18, Section 30, Township 8S, Range 18E: Lease UTU-36846 Uintah County, Utah: and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by, Federal Bond #WYB000493.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

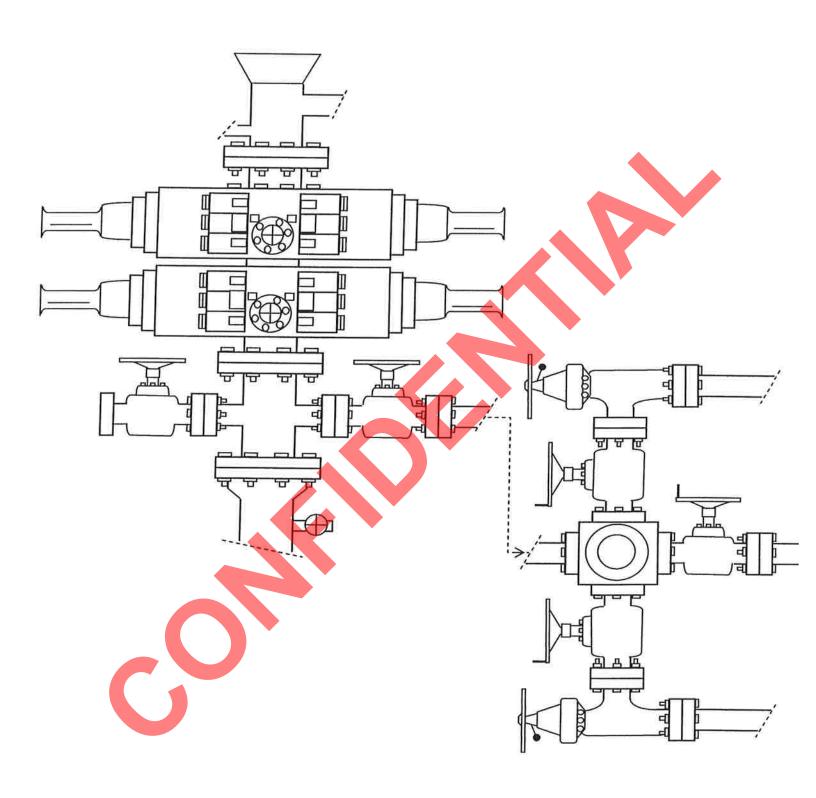
8/24/11

Date

Mandie Crozier Regulatory Analyst Newfield Production Company

2-M SYSTEM

**Blowout Prevention Equipment Systems** 



**EXHIBIT C** 



Myton, Utah 84052 (435) 646-4825, FAX: (435) 646-3031

August 24, 2011

State of Utah Division of Oil, Gas & Mining Attn: Diana Mason 1594 West North Temple - Suite 1210 P.O. Box 145801 Salt Lake City, Utah 84114-5801

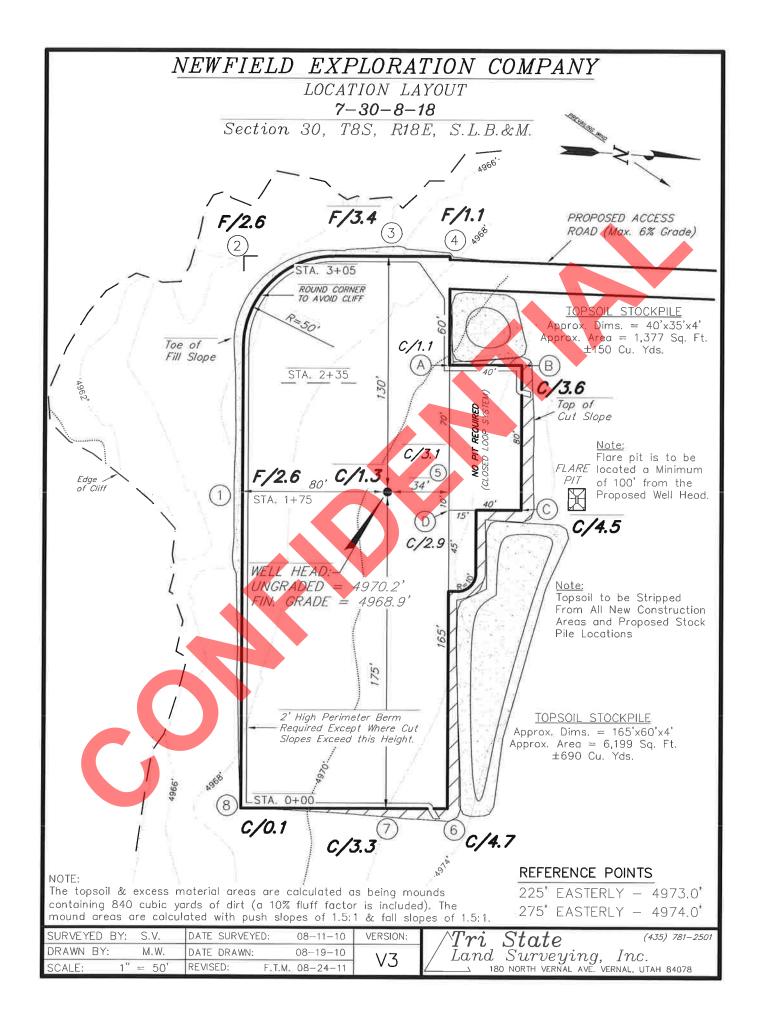
RE: Application for Permit to Drill GMBU 7-30-8-18

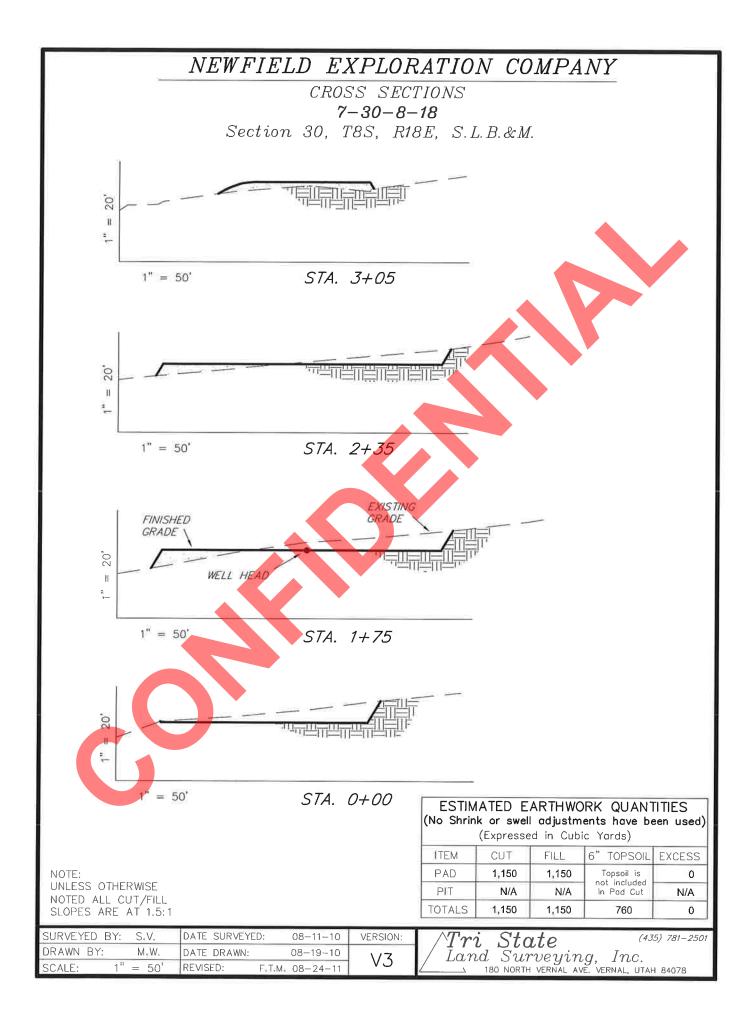
#### Dear Diana:

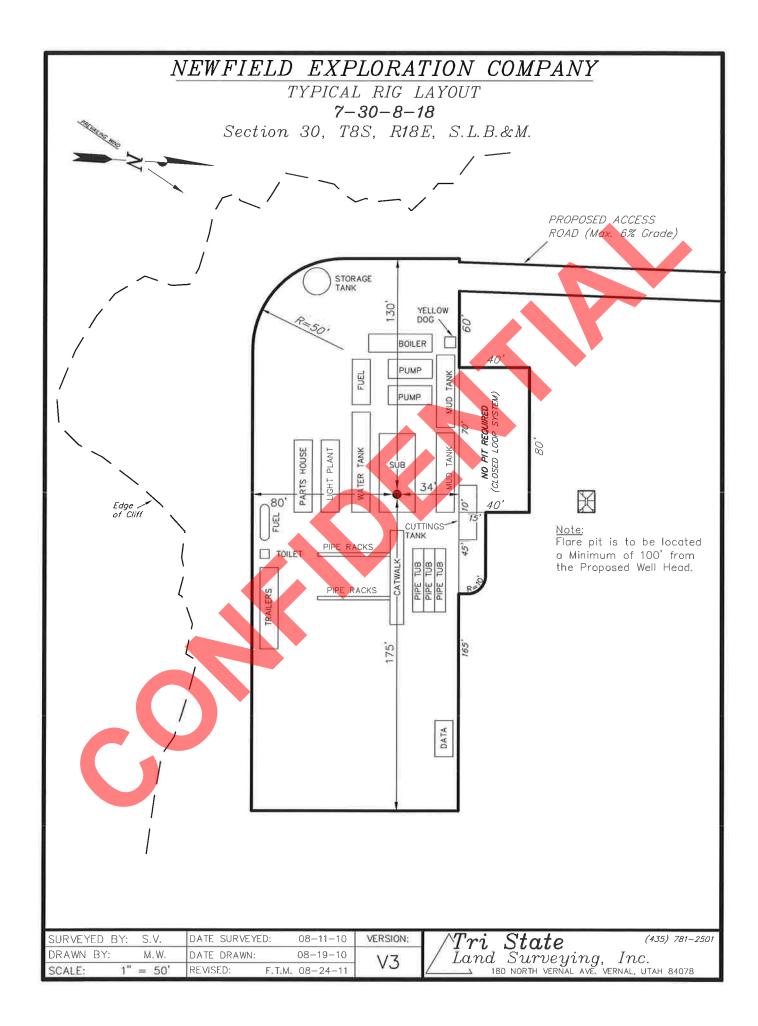
The above mentioned location is an **Exception Location**. Our Land Department will send you the required exception location letter. If you have any questions, feel free to give either Tim Eaton or myself a call.

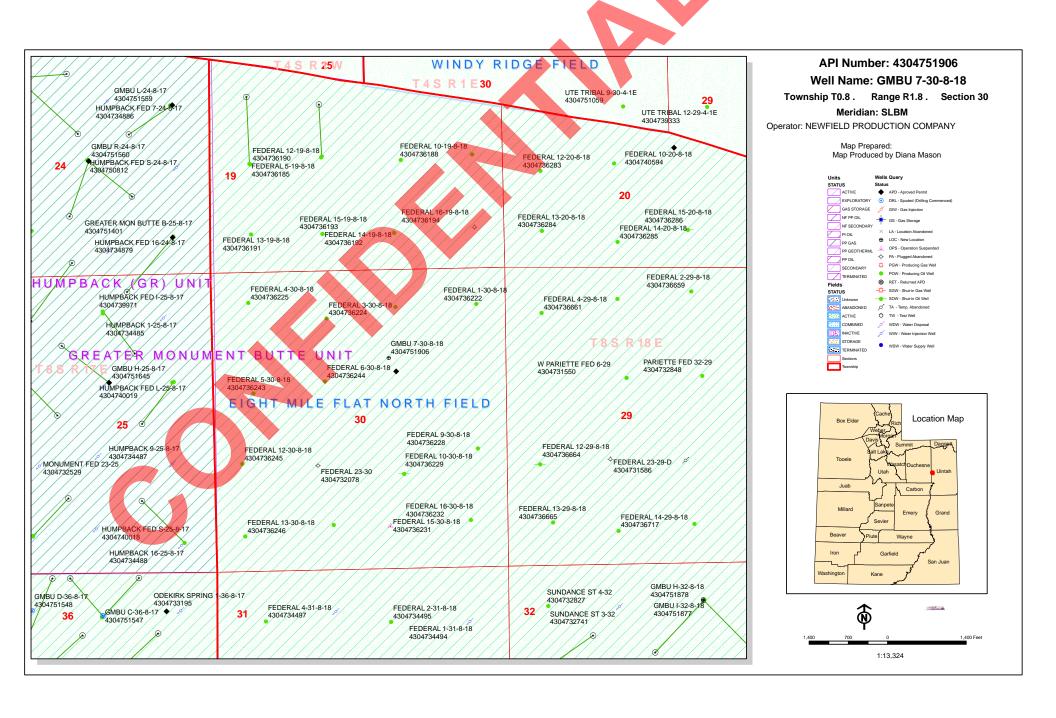
Sincerely,

Mandie Crozier Regulatory Specialist











August 26, 2011

State of Utah, Division of Oil, Gas & Mining Attn: Diana Mason P.O. Box 145801 Salt Lake City, Utah 84114-5801

Re: Exception Location

Greater Monument Butte 7-30-8-18E Greater Monument Butte (Green River) Unit UTU-36846 T8S-R18E Section 30: SWNE 1569' FNL 2101' FEL

Uintah County, Utah

Dear Ms. Mason:

Pursuant to Rule R649-3-3 of the Oil & Gas Rules and Regulations of the State of Utah, Newfield Production Company hereby requests an exception location for the drilling of the captioned well. Rule R649-3-2 requires a well to be located in the center of a forty (40) acre quarter-quarter section, or a substantially equivalent lot or tract, with a tolerance of two hundred (200) feet in any direction from the center.

The above referenced location is an exception location under Rule 649-3-2, being 213' North and 75' East of the drilling window tolerance for the SWNE of Sec. 30-T8S-R18E. The attached plat depicts the proposed drillsite location and illustrates the deviation from the drilling window, in accordance with Rule R649-3-2. The requested location has been selected to minimize surface disturbance by utilizing exiting locations.

Please note the location is completely within the Greater Monument Butte Unit (UTU-87538X). Further, all surrounding acreage within a four hundred sixty foot (460') radius of the proposed location is within the Greater Monument Butte Unit.

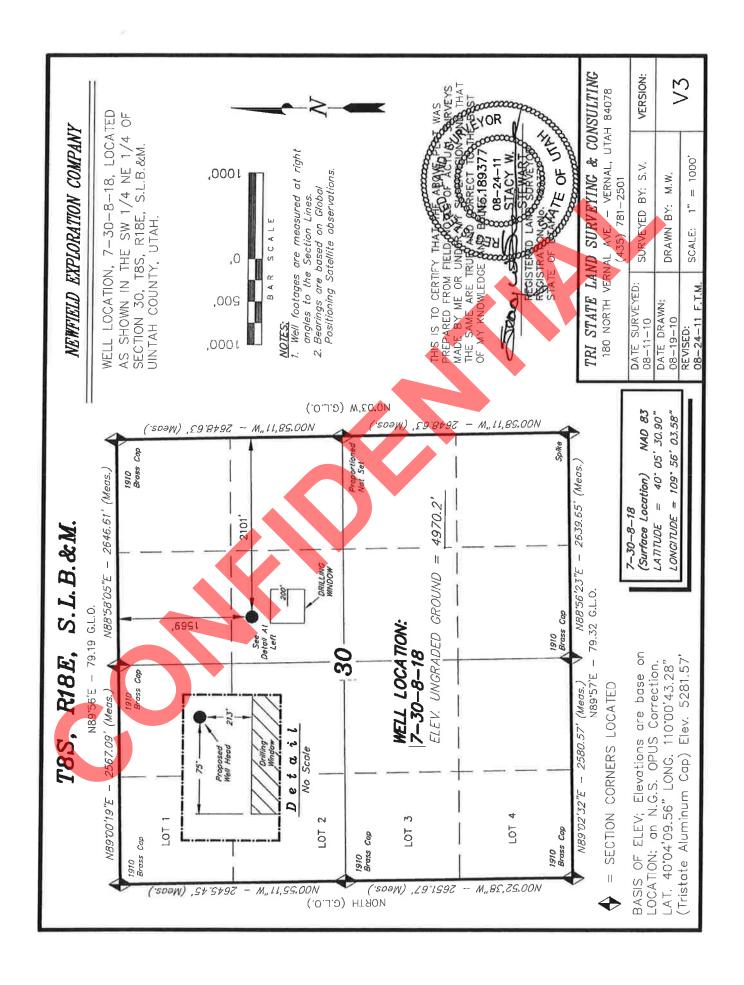
Should you have any questions or concerns regarding the above, please feel encouraged to contact me via email at pourns@newfield.com or by phone at (303)383-4153. Your consideration in this matter is greatly appreciated.

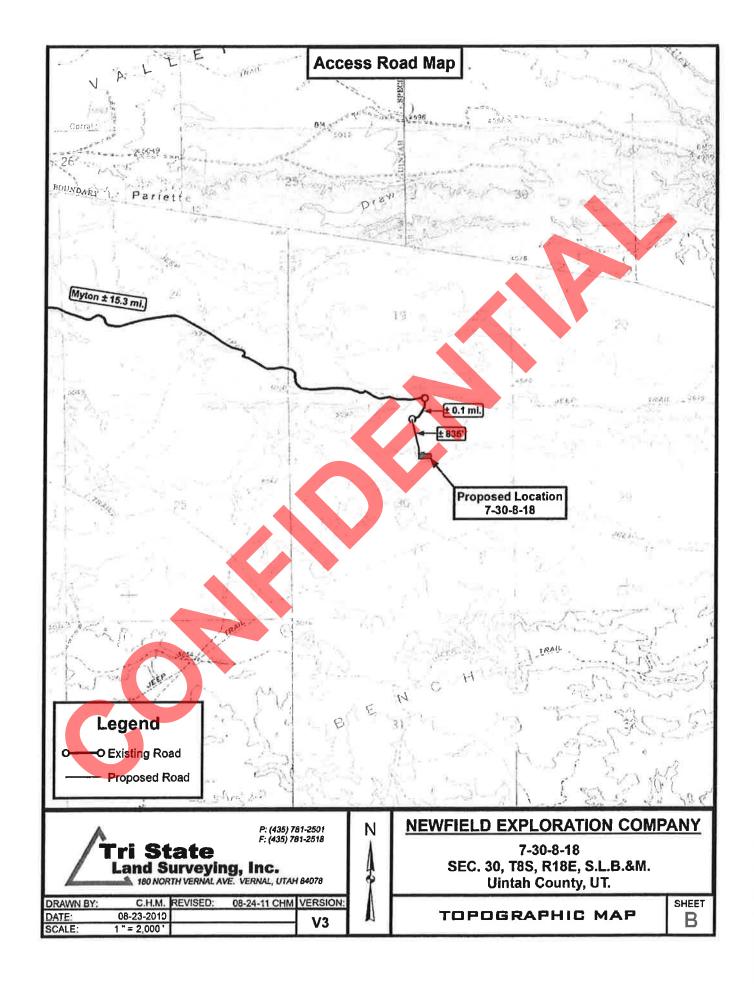
Sincerely,

Newfield Production Company.

Peter Burns Land Associate

Form 3160 -3 (August 2007)	FORM APPROVED OMB No. 1004-0137 Expires July 31, 2010						
	DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT						
APPLICATION FOR PERMIT TO D		6. If Indian, Allotee or Tribe Name NA					
la. Type of work:	R	7 If Unit or CA Agreement, Name and No. Greater Monument Butte					
lb. Type of Well: Oil Well Gas Well Other	Single Zone Multiple Zone	8. Lease Name and Well No. GMBU 7-30-8-18					
Name of Operator Newfield Production Company		9. API Well No.					
3a. Address Route #3 Box 3630, Myton UT 84052	10. Field and Pool, or Monument But	The state of the s					
4. Location of Well (Report location clearly and in accordance with any At surface SW/NE 1569' FNL 2101' FEL At proposed prod. zone	State requirements.*)	11. Sec., T. R. M. or I Sec. 30, T8S F	Blk. and Survey or Area R18E				
14. Distance in miles and direction from nearest town or post office* Approximately 15.5 miles southeast of Myton, UT		12. County or Parish Uintah	13. State UT				
15. Distance from proposed* location to nearest property or lease line, ft. Approx. 539' f/lse, NA' f/unit (Also to nearest drig. unit line, if any)	16. No. of acres in lease 17. Spacin	ng Unit dedicated to this 40 Acres	well				
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, fi.  Approx. 1,030'	6,510' V	BIA Bond No. on file VYB000493					
21. Elevations (Show whether DF, KDB, RT, GI, etc.) 4970' GL	22 Approximate date work will start*	23. Estimated duration (7) days from SPI					
	24. Attachments						
<ol> <li>The following, completed in accordance with the requirements of Onshore</li> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System Lisuppo must be filed with the appropriate Forest Service Office).</li> </ol>	4 Bond to cover the operation Item 20 above).	ns unless covered by an					
25. Signature Mandie Carpin	Name (Printed Typed) Mandie Crozier		Date 8/24/1)				
Title Regulatory Specialist							
Approved by (Signature)	Name (Printed Typed)	Name (Printed Typed)  Date					
Title	Office		17				
Application approval does not warrant or certify that the applicant holds conduct operations thereon.  Conditions of approval, if any, are attached.	legal or equitable title to those rights in the sub	ject lease which would o	entitle the applicant to				
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crin	ne for any person knowingly and willfully to n	nake to any department of	or agency of the United				





# **United States Department of the Interior**

## BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3160 (UT-922)

August 29, 2011

#### Memorandum

To:

Assistant District Manager Minerals, Vernal District

From:

Michael Coulthard, Petroleum Engineer

Subject:

2011 Plan of Development Greater Monument

Butte Unit, Duchesne and Uintah Counties,

Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2011 within the Greater Monument Butte Unit, Duchesne and Uintah Counties, Utah.

API#

WELL NAME

LOCATION

#### (Proposed PZ GREEN RIVER)

					•					
43-047-51906	GMBU	7-30-8-18	Sec	30	T08S	R18E	1569	FNL	2101	FEL
43-047-51907	GMBU	13-31-8-19	Sec	31	T08S	R19E	0643	FSL	0506	FWL
43-047-51908	<b>GMB</b> U	4-27-8-18	Sec	27	T085	R18E	0765	$FN\Gamma$	0370	FWL
43-047-51909	GMBU	14-31-8-19	Sec	31	T08S	R19E	0905	FSL	1799	FWL
43-047-51910	GMBU	6-28-8-18	Sec	28	T08S	R18E	2176	FNL	2048	FWL
43-047-51911	GMBU	2A-17-9-19	Sec	17	T09S	R19E	0709	FNL	1881	FEL
43-047-51912	GMBU	6-17-9-19	Sec	17	T098	R19E	2073	FNL	2138	FWL
43-047-51913	GMBU	8-17-9-19	Sec	17	T098	R19E	1976	FNL	0640	FEL
43-047-51914	CMRII	4-17-9-19	Sec	17	T098	RIGE	0615	FNL	0685	FWL

This office has no objection to permitting the wells at this time.

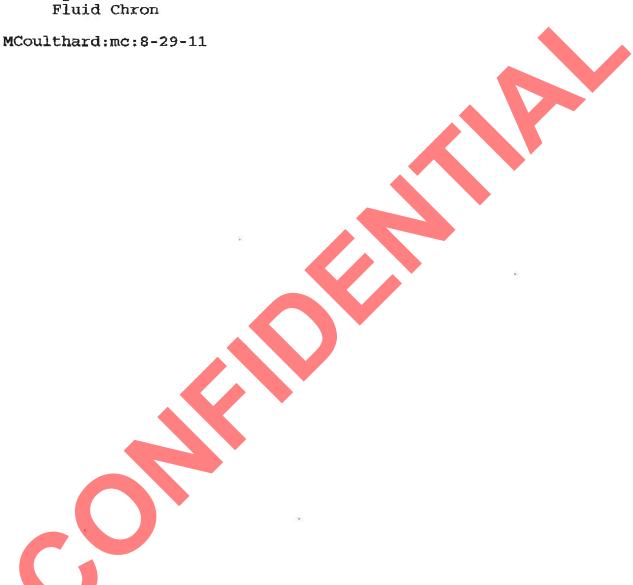
/s/ Michael L. Coulthard

RECEIVED

AUG 2 9 2011

DIV. OF OIL, GAS & MINING

bcc: File - Greater Monument Butte Unit Division of Oil Gas and Mining Central Files Agr. Sec. Chron



AUG 2 9 2011
DIV. OF OIL, GAS & MINING

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 8/24/2011 **API NO. ASSIGNED:** 43047519060000

**WELL NAME:** GMBU 7-30-8-18

**OPERATOR:** NEWFIELD PRODUCTION COMPANY (N2695) **PHONE NUMBER:** 435 646-4825

**CONTACT:** Mandie Crozier

PROPOSED LOCATION: SWNE 30 080S 180E Permit Tech Review:

> **SURFACE:** 1569 FNL 2101 FEL **Engineering Review:**

**Geology Review: BOTTOM:** 1569 FNL 2101 FEL

**COUNTY: UINTAH LATITUDE: 40.09203** 

UTM SURF EASTINGS: 590909.00

FIELD NAME: EIGHT MILE FLAT LEASE TYPE: 1 - Federal

**LEASE NUMBER: UTU-36846** PROPOSED PRODUCING FORMATION(S): GREEN RIVER SURFACE OWNER: 1 - Federal **COALBED METHANE: NO** 

## **RECEIVED AND/OR REVIEWED:**

PLAT

Bond: FEDERAL - WYB000493

**Potash** 

Oil Shale 190-5

**Oil Shale 190-3** 

Oil Shale 190-13

**Water Permit:** 437478

RDCC Review:

**Fee Surface Agreement** 

Intent to Commingle

**Commingling Approved** 

**LOCATION AND SITING:** 

R649-2-3.

Unit: GMBU (GRRV)

R649-3-2. General

R649-3-3. Exception

**Drilling Unit** 

Board Cause No: Cause 213-11

**Effective Date:** 11/30/2009

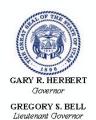
Siting: Suspends General Siting

R649-3-11. Directional Drill

**Comments:** Presite Completed

4 - Federal Approval - dmason 27 - Other - bhill Stipulations:

LONGITUDE: -109.93360 NORTHINGS: 4438306.00 API Well No: 43047519060000



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

## **Permit To Drill**

\*\*\*\*\*

Well Name: GMBU 7-30-8-18
API Well Number: 43047519060000
Lease Number: UTU-36846
Surface Owner: FEDERAL

**Approval Date:** 9/8/2011

#### **Issued to:**

NEWFIELD PRODUCTION COMPANY, Rt 3 Box 3630, Myton, UT 84052

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 213-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

## **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Production casing cement shall be brought up to or above the top of the unitized interval for the Greater Monument Butte Unit (Cause No. 213-11).

## **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at http://oilgas.ogm.utah.gov

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules

API Well No: 43047519060000

will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:** 

For John Rogers Associate Director, Oil & Gas Sundry Number: 29425 API Well Number: 43047519060000

	FORM 9					
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-36846			
SUNDR	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form		7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: GMBU 7-30-8-18			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		<b>9. API NUMBER:</b> 43047519060000			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,		NE NUMBER: t	9. FIELD and POOL or WILDCAT: EIGHT MILE FLAT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1569 FNL 2101 FEL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSH	HIP, RANGE, MERIDIAN: 80 Township: 08.0S Range: 18.0E Meridian:	s	STATE: UTAH			
11. CHECK	K APPROPRIATE BOXES TO INDICATE NA	ATURE OF NOTICE, REPOR	T, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
	CHANGE TO PREVIOUS PLANS  CHANGE WELL STATUS  DEEPEN  OPERATOR CHANGE  PRODUCTION START OR RESUME  REPERFORATE CURRENT FORMATION  TUBING REPAIR  WATER SHUTOFF		CASING REPAIR  CHANGE WELL NAME  CONVERT WELL TYPE  NEW CONSTRUCTION  PLUG BACK  RECOMPLETE DIFFERENT FORMATION  TEMPORARY ABANDON  WATER DISPOSAL  ✓ APD EXTENSION  OTHER:  Pepths, volumes, etc.  Approved by the Utah Division of Oil, Gas and Mining  Date: September 13, 2012  By:			
NAME (PLEASE PRINT)	PHONE NUMBER	TITLE Regulatory Teeb				
Mandie Crozier  SIGNATURE N/A	435 646-4825	Regulatory Tech  DATE 8/31/2012				

Sundry Number: 29425 API Well Number: 43047519060000



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

## Request for Permit Extension Validation Well Number 43047519060000

API: 43047519060000 Well Name: GMBU 7-30-8-18

Location: 1569 FNL 2101 FEL QTR SWNE SEC 30 TWNP 080S RNG 180E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 9/8/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

e militaria de como momo roma de molta approvament, inicia en canada de como me
• If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes</li> <li>No</li> </ul>
• Has the approved source of water for drilling changed?   Yes  No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well?   Yes   No
nature: Mandie Crozier Date: 8/31/2012

Sig

Title: Regulatory Tech Representing: NEWFIELD PRODUCTION COMPANY

Sundry Number: 41428 API Well Number: 43047519060000

					FORM 9			
	STATE OF UTAH			T OKIN 5				
	DEPARTMENT OF NATURAL RESOURCE DIVISION OF OIL, GAS, AND MII		3	5.LEASE UTU-3	<b>DESIGNATION AND SERIAL NUMBER:</b> 6846			
SUNDF	RY NOTICES AND REPORTS	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:					
Do not use this form for procurrent bottom-hole depth, FOR PERMIT TO DRILL form	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)							
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: GMBU 7-30-8-18							
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	OMPANY			<b>9. API NU</b> 43047	JMBER: 519060000			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT	, 84052 435 646-482		NE NUMBER: t		and POOL or WILDCAT: MILE FLAT			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1569 FNL 2101 FEL				COUNTY				
QTR/QTR, SECTION, TOWNSI	HIP, RANGE, MERIDIAN: 30 Township: 08.0S Range: 18.0E Meri	dian:	S	STATE: UTAH				
11. CHEC	K APPROPRIATE BOXES TO INDICA	TE N	ATURE OF NOTICE, REPOR	RT, OR O	THER DATA			
TYPE OF SUBMISSION			TYPE OF ACTION					
	ACIDIZE		ALTER CASING		CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS		CHANGE TUBING		CHANGE WELL NAME			
9/8/2013	CHANGE WELL STATUS		COMMINGLE PRODUCING FORMATIONS		CONVERT WELL TYPE			
SUBSEQUENT REPORT	DEEPEN		FRACTURE TREAT		NEW CONSTRUCTION			
Date of Work Completion:								
	OPERATOR CHANGE		PLUG AND ABANDON		PLUG BACK			
SPUD REPORT	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE			RECOMPLETE DIFFERENT FORMATION			
Date of Spud:	REPERFORATE CURRENT FORMATION	∐ s	SIDETRACK TO REPAIR WELL		TEMPORARY ABANDON			
	TUBING REPAIR	□ \	/ENT OR FLARE	Ш	WATER DISPOSAL			
DRILLING REPORT Report Date:	WATER SHUTOFF		SI TA STATUS EXTENSION	1	APD EXTENSION			
	WILDCAT WELL DETERMINATION		OTHER	ОТНЕ	ER:			
12. DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show	all pe	rtinent details including dates, d	lepths, vo	lumes, etc.			
I .	to extend the Application fo				Approved by the			
				_	Utah Division of			
					il, Gas and Mining			
				Date:	August 15, 2013			
				Ву:	Postill			
NAME (DI EASE DOINT)	PHONE NUME	RED	TITLE					
NAME (PLEASE PRINT) Mandie Crozier	435 646-4825	JER	Regulatory Tech					
SIGNATURE N/A			<b>DATE</b> 8/15/2013					

Sundry Number: 41428 API Well Number: 43047519060000



## The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices** 

## Request for Permit Extension Validation Well Number 43047519060000

**API:** 43047519060000 **Well Name:** GMBU 7-30-8-18

Location: 1569 FNL 2101 FEL QTR SWNE SEC 30 TWNP 080S RNG 180E MER S

Company Permit Issued to: NEWFIELD PRODUCTION COMPANY

Date Original Permit Issued: 9/8/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

Tollowing is a checklist of some items related to the application, which should be verified.
<ul> <li>If located on private land, has the ownership changed, if so, has the surface agreement been updated?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Has there been any unit or other agreements put in place that could affect the permitting or operation of thi proposed well?</li> <li>Yes</li> <li>No</li> </ul>
<ul> <li>Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?</li> <li>Yes</li> <li>No</li> </ul>
• Has the approved source of water for drilling changed? 🔵 Yes 📵 No
<ul> <li>Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?</li> <li>Yes</li> <li>No</li> </ul>
• Is bonding still in place, which covers this proposed well? 📵 Yes 🔘 No
Signature: Mandie Crozier Date: 8/15/2013



## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

Division Director

August 19, 2014

Mandie Crozier Newfield Production Company Rt. 3 Box 3630 Myton, UT 84052

Re:

APD Rescinded - GMBU 7-30-8-18, Sec. 30, T.8S, R. 18E

Uintah County, Utah API No. 43-047-51906

Dear Ms. Crozier:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on September 8, 2011. On September 13, 2012 and August 15, 2013, the Division granted a one-year APD extension. On September 19, 2014, you requested that the division rescind the state approved APD. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective September 19, 2014.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

**Environmental Scientist** 

cc:

Well File

Bureau of Land Management, Vernal



Sundry Number: 54638 API Well Number: 43047519060000

	FORM 9					
ι	DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	3	5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-36846			
SUNDR	WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for pro current bottom-hole depth, I FOR PERMIT TO DRILL form	pen existing wells below laterals. Use APPLICATION	7.UNIT or CA AGREEMENT NAME: GMBU (GRRV)				
1. TYPE OF WELL Oil Well			8. WELL NAME and NUMBER: GMBU 7-30-8-18			
2. NAME OF OPERATOR: NEWFIELD PRODUCTION CO	DMPANY		<b>9. API NUMBER:</b> 43047519060000			
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT,		ONE NUMBER:	9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1569 FNL 2101 FEL			COUNTY: UINTAH			
QTR/QTR, SECTION, TOWNSH	<b>HP, RANGE, MERIDIAN:</b> 30 Township: 08.0S Range: 18.0E Meridian:	S	STATE: UTAH			
11. CHECH	K APPROPRIATE BOXES TO INDICATE N	IATURE OF NOTICE, REPOR	T, OR OTHER DATA			
TYPE OF SUBMISSION		TYPE OF ACTION				
,	ACIDIZE	ALTER CASING	CASING REPAIR			
NOTICE OF INTENT Approximate date work will start:	CHANGE TO PREVIOUS PLANS	CHANGE TUBING	CHANGE WELL NAME			
8/19/2014	CHANGE WELL STATUS	COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE			
SUBSEQUENT REPORT	DEEPEN	FRACTURE TREAT	NEW CONSTRUCTION			
Date of Work Completion:	OPERATOR CHANGE	PLUG AND ABANDON	PLUG BACK			
	PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION			
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON			
	TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL			
DRILLING REPORT	☐ WATER SHUTOFF ☐	SI TA STATUS EXTENSION	APD EXTENSION			
Report Date:	☐ WILDCAT WELL DETERMINATION ✓	OTHER	OTHER: Rescind APD			
12 DESCRIBE PROPOSED OR	COMPLETED OPERATIONS. Clearly show all pe	ertinent details including dates, d	,			
	uests the above mentioned APD					
<u>'</u>			Accepted by the Utah Division of			
			Oil, Gas and Mining			
			FOR RECORD ONLY August 20, 2014			
			August 20, 2014			
NAME (DI SACE PRINT)	BUONE WING	TITLE				
Mandie Crozier	<b>PHONE NUMBER</b> 435 646-4825	TITLE Regulatory Tech				
SIGNATURE N/A		<b>DATE</b> 8/19/2014				